

4<sup>TH</sup> EDITION OF

# CHEMISTRY WORLD CONFERENCE

*Evolutionizing Chemistry: Unveiling Breakthroughs  
to Shape Future Objectives*



## *Our* OCMs



**BRIAN BLAGG**  
University of Notre Dame,  
United States



**YONG-XIAO WANG**  
Albany Medical College,  
United States



**HAIBO GE**  
Texas Tech University,  
United States



**QIANG ZHANG**  
Oak Ridge National Laboratory,  
United States



**JEAN MARUANI**  
LCP-MR / CNRS, France



**PIER GIORGIO RIGHETTI**  
Milan Polytechnic, Italy



**THOMAS J WEBSTER**  
Hebei University of Technology,  
China



**KAUSHALA PRASAD  
MISHRA**  
Bhabha Atomic Research  
Center, India ebel University of  
Technology, China

### *Scientific* TOPICS

- Analytical and bioanalytical Chemistry
- Medicinal Chemistry and Drug Discovery
- Nanoscience and Materials Chemistry
- Structural Chemistry
- Chemical Engineering
- Future Scope of Chemistry
- Catalysis and Reaction Engineering
- Biochemistry
- Organometallic Chemistry
- Electrochemistry
- Environmental and Green Chemistry
- Forensic and Clinical Chemistry
- Marine and Geo Chemistry
- Industrial Chemistry
- Nutrition and Food chemistry
- Organic and Inorganic chemistry
- Petrochemistry
- Physical Chemistry and Theoretical Chemistry



**17-19**  
JUN 2024



*Paris, France* | Hybrid Event



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# TENTATIVE PROGRAM

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## Keynote Presentations

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<b>Brian Blagg</b> University of Notre Dame, United States	Title: The design and development of isoform-selective inhibitors of Hsp90
<b>Yong-Xiao Wang</b> Albany Medical College, United States	Title: Novel therapeutics for common and devastating chronic obstructive pulmonary disease
<b>Haibo Ge</b> Texas Tech University, United States	Title: Distal functionalization via transition metal catalysis
<b>Qiang Zhang</b> Oak Ridge National Laboratory, United States	Title: Correlation between crystal structure, magnetic order, and topological states in Co <sub>3</sub> Sn <sub>2</sub> S <sub>2</sub>
<b>Jean Maruani</b> LCP-MR / CNRS, France	Title: Quantum theory concepts and biological evolution paths from structure waves in biopolymers
<b>Pier Giorgio Righetti</b> Milan Polytechnic, Italy	Title: Stroboscopic flashes on the netherworld
<b>Thomas J Webster</b> Hebei University of Technology, China	Title: Artificial intelligence for the design of Improved bio chemistries
<b>Kaushala Prasad Mishra</b> Bhabha Atomic Research Center, India	Title: Promise of herbal drugs in improving cancer radiotherapy
<b>Mohamed El Far</b> Mansoura University, Egypt	Title: Photodynamic therapy of tumors using lasers from bench to clinical applications: An overview of our 40 years experience

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## Oral Presentations

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<b>Jerry T. Thornthwaite</b> Cancer Research Institute of West Tennessee, United States	Title: Nutrnanospheres for nutraceutical delivery systems
<b>Hossein Hosseinkhani</b> Matrix HT Inc., United States	Title: Artificial intelligence (AI) in biomedical engineering
<b>Srinivasan Jayakumar</b> Rensselaer Polytechnic Institute, United States	Title: Identification of transthyretin tetramer kinetic stabilizers to inhibit retinol-dependent RBP4-TTR interaction: Novel therapeutics for macular degeneration and transthyretin amyloidosis
<b>Xin Cui</b> Mississippi State University, United States	Title: Selective and Sustainable Catalysis for Transforming C-H Bonds
<b>Godspower Sebe</b> Arxada Company, United States	Title: Health impacts and mechanisms of per- and polyfluoroalkyl substances (PFAS) from epidemiological to toxicological

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# TENTATIVE PROGRAM

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<b>Rajiv Kashyap</b> University of Hull, United Kingdom	Title: Investigating the electrochemical potential for mesoporous sugarcane bagasse biochars as supercapacitors
<b>Joelle Sobczak Thepot</b> Sorbonne Universite, Inserm UMR_S 938, France	Title: Half-sandwich iridium(III) complexes mechanism of action for anti-cancer therapy: Cytoskeletal proteins and heat-shock proteins as privileged protein targets
<b>Eva Falomir</b> Jaume I University, Spain	Title: Aryl azole derivatives as potential disruptors of tumor microenvironment
<b>Orchidea Maria Lecian</b> Sapienza University of Rome, Italy	Title: New theorems from markov chains model for application to MSM's in protein folding and further applications
<b>Radoslaw Banasz</b> Adam Mickiewicz University, Poland	Title: Investigation of phenyl and triphenylamine-based star-shaped viologens for electrochromic applications
<b>Ola Michalkiewicz</b> Adam Mickiewicz University, Poland	Title: The potential of drug release systems in the treatment of ocular diseases
<b>Abel Rouboa</b> University of Porto, Portugal	Title: Syngas and power generation from date palm waste steam gasification
<b>Sergey Suchkov</b> Russian University of Medicine, Russian Federation	Title: Antibody-proteases as natural and translational tools of the next step generation to be applied for biodesign-driven biotech and personalized and precision medical practice
<b>Sergey Suchkov</b> Russian University of Medicine, Russian Federation	Title: Personalized and precision medicine (PPM) as a unique healthcare model to be set up through biodesign-Inspired, biotech-driven, chemical and bioengineering, translational applications and upgraded biomarketing to secure the human healthcare and biosafety
<b>Stul Boris Ya</b> Scientific Research University, Russian Federation	Title: Kinetics of the oxyethylation reaction of alcohols taking into account the influence of association. Apparent rate constants in the liquid phase chemical kinetics
<b>Vladimir Makarov</b> Melnikov Permafrost Institute, Russian Federation	Title: Assessment of the supply of uranium from the atmosphere of a northern city
<b>Theodosios Geo Douvropoulos</b> Hellenic Naval Academy, Greece	Title: Resonant transport time in Al <sub>x</sub> Ga <sub>1-x</sub> As/GaAs nanostructures and mass discontinuity: A semiclassical path integral approach.
<b>Osman Adiguzel</b> Firat University, Turkey	Title: Effect of phosphate on arsenate and monothioarsenate uptake in arabidopsis thaliana under hydroponic conditions
<b>Carlos Hurtado</b> Curtin University, Australia	Title: Electrostatically induced flexovoltage in silicon-platinum junctions
<b>Zhongyue Zhou</b> Shanghai Jiao Tong University, China	Title: Thermochemical conversion of biomass: probing oligomeric intermediates with online high-resolution mass spectrometry
<b>Xueli Su</b> Jingchu University of Technology, China	Title: Treatment of industrial wastewater of ammonia nitrogen by electro-dialyzation-gaseous membrane method

# TENTATIVE PROGRAM

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<b>Xi Chen</b> Harbin Institute of Technology, China	Title: Chemically induced proximity regulates protein function and degradation
<b>Mirza Muhammad Faran Ashraf Baig</b> The Hong Kong University of Science and Technology, China	Title: Recent advances of magnetic gold hybrids and nanocomposites, and their potential biological applications
<b>Ang-Yang Yu</b> Zhejiang Sci-Tech University, China	Title: On the jahn-teller effects of B <sub>4</sub> <sup>+</sup>
<b>Dae Dong Sung</b> Samse Medical Center, Korea	Title: The role of chemistry in contribution to biomedicine recently
<b>Moti Herskowitz</b> Ben-Gurion University, Israel	Title: Hydrogenation of CO <sub>2</sub> on Fe-based catalysts: Preferred route to renewable liquid fuels
<b>Asiful Hossain Seikh</b> King Saud University, Saudi Arabia	Title: Effect of micaceous iron oxide (MIO) and nano crystalline Al on the electrochemical behavior of aliphatic amine cured epoxy coating
<b>Kawther Jassim Almuhanha</b> Kuwait University, Kuwait	Title: A novel hybrid chemical precipitation-coagulation method for the treatment of paper and pulp industrial wastewater
<b>Jinsong Wu</b> University of Chile, Chile	Title: Environmental sustainability and intelligence as well as general green technologies
<b>Zoraya Elena Lopez Cabana</b> University of Talca, Chile	Title: Selenium nanoparticles stabilized in tannic acid: An innovative approach for combating infections caused by H. Pylori or candida albicans
<b>Yarcely A. Rodriguez Lucart</b> University of Talca, Chile	Title: Aniline quinones produce mitochondrial dysfunction and migrastatic effect on triple-negative breast cancer line MDA-MB-231
<b>Silvia Elizabeth Asis</b> Universidad de Buenos Aires, Argentina	Title: Synthetic quinolines and related heterocycles in the discovery of new agents against M. tuberculosis and NTM
<b>Gisela Celeste Muscia</b> Universidad de Buenos Aires, Argentina	Title: Synthetic quinolines and related heterocycles in the discovery of new agents against M. tuberculosis and NTM
<b>Zoia Voitenko</b> Kyiv National Taras Shevchenko University, Ukraine	Title: Little-known condensed isoindoles transformations
<b>Eleonora Afanasenko</b> Odesa Mechnikov National University, Ukraine	Title: Supramolecular coordination tartrato-malato germanates/stannates(IV): Synthesis, structure, biological activity
<b>Lev Chernyak</b> National Technical University of Ukraine, Ukraine	Title: Aspects of resource saving and technology in silicates chemistry
<b>Vakhtang Barbakadze</b> Tbilisi State Medical University, Georgia	Title: Sugar-based multicatechol-functional biopolymers: Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from medicinal plants of boraginaceae family with therapeutic efficacy

# TENTATIVE PROGRAM

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<b>Iliana Ivanova</b> Sofia University, Bulgaria	Title: Sol – gel synthesis of silica - poly (vinylpyrrolidone) hybrids with improved antibacterial properties
<b>Andrea Monroy-Licht</b> University of the North, Colombia	Title: Phytochemical analysis, antifungal and antibacterial screening of artocarpus altilis: Guyana flora extracts
<b>José Hernando Quintana Mendoza</b> University of Pamplona, Colombia	Title: Effects on the chemical properties of cape gooseberry impregnated with biofilms made from arracacha root residues and propolis.
<b>Sujit Kumar Bandyopadhyay</b> Variable Energy Cyclotron Centre, India	Title: Studies on multifunctional nanostructured materials
<b>Chetna Jain</b> Gurugram University, India	Title: Nanotechnology for cancer treatment
<b>Aditi Singhal</b> Ahmedabad University, India	Title: Preparation and oxygen evolution reaction on nanoporous semi-transparent $La_{0.8}Sr_{0.2}CoO_3$ coatings: Stability and mechanism in neutral medium
<b>Ayushi Mishra</b> Babasaheb Bhimrao Ambedkar University, India	Title: A novel magnetic floral waste biochar for efficient removal of cationic dye from wastewater: A sustainable and economical approach
<b>Yacob Mathai</b> Marma Health Centre, India	Title: Paracetamol is the most unscientific and dangerous drug for fever. Anyone can create a fever within hours using antipyretic objects
<b>Pradeep Kumar</b> Bhabha Atomic Research Centre, India	Title: Green Chemistry is need of present time. Use of supercritical fluids will significantly contribute towards global warming
<b>Pradep Kumar</b> Bhabha Atomic Research Centre, India	Title: Green Chemistry is need of present time. Use of supercritical fluids will significantly contribute towards global warming
<b>Neetu Yadav</b> GGIC, India	Title: Molecular interactions in biofuels
<b>Shree Niwas Chaturvedi</b> Centre For Aptitude Analysis & Talent Search, India	Title: Water splitting technology for efficient thermal energy conversion process
<b>Karen Jacqueline</b> University of South Africa, South Africa	Title: Multidimensional analysis of nanofertilizers
<b>Sinethemba Yakobi</b> University of KwaZulu Natal, South Africa	Title: Screening of antimicrobial properties and bioactive compounds of pleurotus ostreatus extracts against staphylococcus aureus, escherichia coli, and neisseria gonorrhoeae
<b>Xolile Fuku</b> University of South Africa, South Africa	Title: CO <sub>2</sub> as a useful waste to energy products
<b>Shawn Gouws</b> Nelson Mandela University, South Africa	Title: Characterization of IR-based catalysts for PEM electrolyser

# TENTATIVE PROGRAM

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<b>Awad I. Ahmed</b> Mansoura University, Egypt	Title: The role of reduce graphene oxide content on the adsorption-enhanced photocatalysis and antibacterial activity of reduced graphene oxide/ bismuth tungstate nanocomposites
<b>Raghda El-Nagar</b> Egyptian Petroleum Research Institute (EPRI), Egypt	Title: Studies on the performance of aryl imidazolium ionic liquids on asphaltene Inhibition
<b>Brij Bushan Tewari</b> University of Guyana, Guyana	Title: Thermomechanical processes and transformations in shape memory alloys
<b>Toirova Gulshoda</b> Termiz State University, Uzbekistan	Title: Selective adsorption capacity of grape marc hydrogel for adsorption of binary mixtures of dyes
<b>Simplice Koudjina</b> UNSTIM, Benin	Title: Computational optoelectronic design and charge transport properties of benzodifuran (BDF) isomers for organic electronic devices
<b>Abdelmjid Bouazizi</b> Moulay Ismail University of Meknes, Morocco	Title: Low-cost ceramic TiO <sub>2</sub> -doped ZrO <sub>2</sub> /pozzolan-based nanofiltration membrane for removal of dyes and heavy metal solutions
<b>Ayad Abdelilah</b> Mohamed I University, Morocco	Title: Molecular modeling of quercetin adsorption on kaolinite surface
<b>Hanene Akrouf</b> CERTe water research and technology center, Tunisia	Title: Comparative assessment of different treatment scenarios applied to wastewater from agri-food industry towards circular economy
<b>Nessrine Soli</b> University of Gabes, Tunisia	Title: Absorption-diffusion refrigeration machine: A case study of low carbon alkanes used as refrigerants
<b>Ibrahima Sakho</b> Iba Der Thiam University of Thiès, Senegal	Title: Calculations of resonance energies of rydberg series of S <sup>4+</sup> ions in the framework of the modified atomic orbital theory
<b>Wahid BELAM</b> Carthage University, Tunisia	Title: Structure, electrical and magnetic properties of Cu-Ni substituted cobalt ferrite nanoparticles Cu <sub>x</sub> Co <sub>0.8-x</sub> Ni <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> synthesized by sol-gel autocombustion process
<b>Waly Diallo</b> Cheikh Anta Diop University, Senegal	Title: Crystal structures of some chelated magnesium containing malonate and methylphenylsulfonate oxyanions. Characterization with IR, UV-vis and multinuclear NMR( <sup>25</sup> Mg, <sup>1</sup> H, <sup>13</sup> C) spectroscopies, TGA analysis and X ray diffraction analysis
<b>Birame Ndiaye</b> Cheikh Anta Diop University, Senegal	Title: Conformational analysis of a cyclic AKH neuropeptide analog that elicits selective activity on locust versus honeybee receptor
<b>Kung Chung Yuan</b> National Chung Hsing University, Taiwan	Title: The formation of the four-way symmetric translational tiles (crystal) and corresponding unit cells
<b>Kung Chung Yuan</b> National Chung Hsing University, Taiwan	Title: The formation of the periodic translational Penrose tiles (crystal) and their corresponding unit cells
<b>Hadroug Aldjia</b> Med Boudiaf University of M'sila, Algeria	Title: Comparative analysis of the volatiles isolated from the stem bark and the leaves of fraxinus dimorpha species

# TENTATIVE PROGRAM

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<b>Ahmad Omar Hasan</b> Al Hussein Bin Talal University, Algeria	Title: Extracted handal seed oil ( Citrullus Seeds) used as biodiesel fuel in 6V diesel engine
<b>Merzouk Zatout</b> Kasdi Merbah University, Algeria	Title: Modeling of water flooding effects during enhanced oil recovery
<b>Adelagun Ruth Olubukola Ajoke</b> Federal University Wukari, Nigeria	Title: Removal, recovery and reuse of resource in waste streams: Challenges, management and solutions
<b>Lukman Bola Abdulrauf</b> Kwara State University, Nigeria	Title: $[C_{20}H_{24}CuNa_2O_{18}S_4]_n$ complex compound synthesis and analysis
<b>Ibrahim Abdulganiyyu A</b> The Jigawa State Polytechnic, Nigeria	Title: Dispersive liquid-liquid microextraction/HPLC techniques for determination of oxytetracycline and doxycycline residues in beef samples: Method developments and statistical analysis
<b>Payam Arabkhani</b> Islamic Azad University, Iran (Islamic Republic of)	Title: Recent advances in advanced oxidation processes in treating PFAS contaminated wastewaters
<b>Farshad Akbarnejad</b> Dr. Akhavi Lab Co., Iran (Islamic Republic of)	Title: The role of green tea (Camellia sinensis) in the management of androgenetic alopecia (AGA): A review
<b>Farshad Akbarnejad</b> Dr. Akhavi Lab Co, Iran (Islamic Republic of)	Title: Malva sylvestris L. application in dermatology
<b>Gholamreza Heydari</b> Shahid Beheshti University of Medical Sciences, Iran (Islamic Republic of)	Title: Evaluation of the effects of PAKDAM, an invented device to get nitrous oxide and oxygen, in the consumers – A report of pilot study in Tehran 2022
<b>Sevda Mozaffari</b> Tobacco Prevention and Control Research Center, Iran (Islamic Republic of)	Title: Evaluation of the effects of PAKDAM, an invented device to get nitrous oxide and oxygen, in the consumers – A report of pilot study in Tehran 2022
<b>Mohammad Ebadollahi</b> K.N.Toosi University of Technology, Iran (Islamic Republic of)	Title: Feasibility study of using green technologies in order to supply energy and waste management of direct reduction iron plant
<b>Radhiyah M. Aljarrah</b> Kufa University, Iraq	Title: Study the effect of doping with silver nanoparticles on the properties of zirconium dioxide membranes and their effect on it as NO <sub>2</sub> gas sensor
<b>Javeed Ashraf Awan</b> University of the Punjab, Pakistan	Title: Tri-generation system for the production of electricity, hydrogen and green ammonia as sustainable solution towards energy mix and carbon neutrality
<b>Syed Tasadaque Ali Shah</b> Sukkur IBA University, Pakistan	Title: Synthesis of monoacylglycerols (MAGs) lipids for the use in In meso crystallisation of membrane proteins

**Oral presentation slots are available!!!**

# TENTATIVE PROGRAM

## Poster Presentations

<b>María Belén Gómez-Mancebo</b> CIEMAT, Spain	Title: Radioactivity and heavy metal levels in mining areas of the State of Zacatecas, Mexico
<b>María Belén Gómez-Mancebo</b> CIEMAT, Spain	Title: Development of a methodology for ferrites evaluation by WDXRF
<b>Julia Adorno Barbosa</b> Brazilian Center for Research in Energy and Materials, Brazil	Title: 4.0 wearable plant sensor: Solving obstacles toward the long-term, accurate, and remote monitoring of water loss from plants under variable microclimate
<b>Vladimir Voronov</b> Irkutsk National Research Technical University, Russian Federation	Title: Use of high-resolution NMR spectra transformed by paramagnetic complexes for studying molecular structure.
<b>Olga Pshenitsyna</b> Perm State Agro-Technological University, Russian Federation	Title: Nucleophilic functionalization of tropyl salts by heterocyclic amines, amides or hydrazides of carboxylic acids
<b>Oleg Titov</b> Shirshov Institute of Oceanology of Russian Academy of Sciences, Russian Federation	Title: Changes in oxygen saturation of the Barents Sea waters over the past 70 years: relationships with climate, currents and commercial fish stocks
<b>Ying-Huang Lai</b> Tunghai University, Taiwan	Title: Nickel single atoms enhance graphitic carbon nitride for superior photo-electrocatalytic hydrogen evolution
<b>Khaled Alshammari</b> King Fahad Security College, Saudi Arabia	Title: Photoluminescent cellulose nanofibers reinforced alginate hydrogel with color tunable and self healing properties for authentication applications
<b>Norah Alsaiari</b> Najran University Saudi Arabia	Title: Phytochemical screening and anti-microbial activity of methanolic and aqueous extract of pink cabbages and red grape
<b>Proma Bhattacharyya</b> Presidency University, India	Title: Two level system-A paradigm for analyzing fundamental quantum mechanical phenomena
<b>Deepak Wadhwa</b> Chaudhary Bansi Lal University, India	Title: Unveiling thioredoxin inhibitor potential: Synthesis and characterization of thiazole compounds
<b>Tofik Nagiev</b> Azerbaijan National Encyclopedia, Azerbaijan	Title: Oxidative transformation of ethylene into ethyl alcohol and acetaldehyde under the per-FTPhPFe <sub>3</sub> +OH/Al <sub>2</sub> O <sub>3</sub> bioimitator
<b>Neila Bekturganova</b> International Educational Corporation, Kazakhstan	Title: The use of polysiloxanes to improve the performance properties of cement
<b>Mira R. Bissengaliyeva</b> Institute of Problems of Complex Development of Mineral Resources, Kazakhstan	Title: Method for correcting experimental values of the heat capacity of REE compounds by the debye temperature



# TENTATIVE PROGRAM

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<b>Nasr Litim</b> Monastir National Engineering School, Tunisia	Title: Benefit study of ecological compounds GALACID XT 88 based on lactic acid and GALASOLV NF 62 based on ethyl lactate and their impact on the surface and mechanical properties of cotton fabrics
<b>Tesfay Welderfael</b> Aksum University, Ethiopia	Title: Effects of doping aluminum and poly(vinyl alcohol) in nanosize ZnO on photocatalytic degradation of methyl orange under sunlight
<b>Adugna Nigatu Alene</b> Bahir Dar University, Ethiopia	Title: A comparative study of acidic, basic, and reactive dyes adsorption from aqueous solution onto kaolin adsorbent: Effect of operating parameters, isotherms, kinetics, and thermodynamics
<b>Balaman-Zizi Ouafia</b> University of Science and Technology Houari Boumediene, Algeria	Title: Study of the treatment of stabilized leachates by combination of coagulation-flocculation and adsorption on activated carbon
<b>Diab Hamida</b> Somifer, Algeria	Title: Mechanism of formation, minerology and geochemistry and geochemistry of the OOIDAL Ironstone of DJEBEL had, northeast algeria
<b>Fatma Bendimerad Mouttas</b> University of Abou Bekr Belkaid Tlemcen, Algeria	Title: Phytochemical study and biological activities of organic extracts flower heads, leaves, and roots of rhaponticumacaule L.(DC) from northwestern algeria
<b>Amina Bentaleb</b> University of Bejaia, Algeria	Title: Waste valorization as reinforcement for high impact polystyrene (HIPS) recycled from waste electric and electronic equipement
<b>Ali Ahmed Samira</b> M. Mammeri University of Tizi-Ouzou, Algeria	Title: Energy recovery of plants used in phytoremediation of soils polluted with fuels
<b>Boukerrou</b> University of Bejaia, Algeria	Title: Effect of mechanical properties on the miscibility of a PHBV/PP blend
<b>Adel Saadi</b> USTHB University, Algeria	Title: The role of ZnO/Co <sub>3</sub> O <sub>4</sub> nanocomposite in the photocatalytic degradation of diclofenac present in wastewater
<b>Shixaliyev Kerem Sefi</b> Azerbaijan State Oil and Industry University, Azerbaijan	Title: Study of modification of butadiene nitrile polymer with comode
<b>Saadi</b> USTHB University, Algeria	Title: The role of ZnO/Co <sub>3</sub> O <sub>4</sub> nanocomposite in the photocatalytic degradation of diclofenac present in wastewater
<b>Ifeoma MaryJane Iloamaeke</b> Nnamdi Azikiwe University, Nigeria	Title: Production of surfactant from the oreochromis niloticus fish: Synthesis and characterization
<b>Kazeem Joshua Oluwatoyin Sholotan</b> Ogun State Institute of Technology, Nigeria	Title: Comparative analysis of synthesized waltheria indica leaf and euphorbia maculata herb zinc nanoparticle
<b>Asadolah Farhadi</b> Petroleum University of Technology, Iran(Islamic Republic of)	Title: Preparation of ceramic nanocatalyst based on egg shell by ultrasonic wave method and checking its performance in the synthesis of some medicinal compounds.

# TENTATIVE PROGRAM

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**Reyhaneh Golshani**  
Alzahra University, Iran  
(Islamic Republic of)

Title: Applications of alginate-based nanocomposites in green chemistry

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***Poster presentation slots are available!!***

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